

SUMMARY

Analytical Services [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

Analytical Services procedures were revised to comply with the new Transuranic (TRU) Waste Analysis Plan as per Waste Isolation Pilot Plant (WIPPs) Resource Conservation and Recovery Act of 1976 (RCRA) Part B Permit from the New Mexico Ecology Department. Materials to support reconfiguring the head-gas sampling system were procured. Procurement of additional instrumentation and supplementation of staff to support increased TRU Project processing rates was initiated.

DOE has funded development of a new polychlorinated biphenyl (PCB) analysis method that utilizes Solid Phase Extraction [this is a Pollution Prevention return on investment (ROI) Project]. This method, when implemented, will provide PCB analysis in the laboratory without generating a Toxic Substances Control Act of 1976 (TSCA) regulated waste stream.

Milestone performance (EA, DOE-HQ, Field Office, and RL) shows no milestones are due this reporting period.

ACCOMPLISHMENTS

- Performed 2,040 analyses (FYTD) through November 1999 at the 222-S Laboratory. Performed 0.7 Analytical Equivalency Units (AEU) (FYTD) through November 1999 at the 222-S Laboratory in support of the River Protection Program (RPP) [Tank Waste Remediation System (TWRS)] tank characterization program. Completed the final analytical report on RPP Tank S-109, on schedule.
- Performed 1,700 analyses (FYTD) through November 1999 at the WSCF, as planned.
- Passed the Mixed Analyte Performance Evaluation Program (MAPEP) soil sample # 99-S6 from DOE Radiological and Environmental Sciences Laboratory (RESL), as planned.
- Completed an analysis of capital equipment needs for analytical instrumentation at the 222-S and WSCF Laboratories, as planned.
- Implemented a new commitment tracking system (CATRAX) at 222-S, on schedule.
- Completed EH-10 corrective action, as scheduled, for implementation of management surveillance activities at the 222-S laboratory.
- Completed down-posting of 2,600 ft³ of radiological area at 222-S, on schedule.

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Analytical Services	\$3.9	\$4.0	- \$0.2*

*Rounding

The \$0.2 million (4 percent) unfavorable cost variance is within established threshold. Further information at the PBS level can be found in the following Cost Variance Analysis details.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
Analytical Services	\$3.9	\$3.9	- \$0.1*

*Rounding

The \$0.1 million (1.9 percent) unfavorable schedule variance is within established threshold. Further information at the PBS level can be found in the following Cost Variance Analysis details.

ISSUES

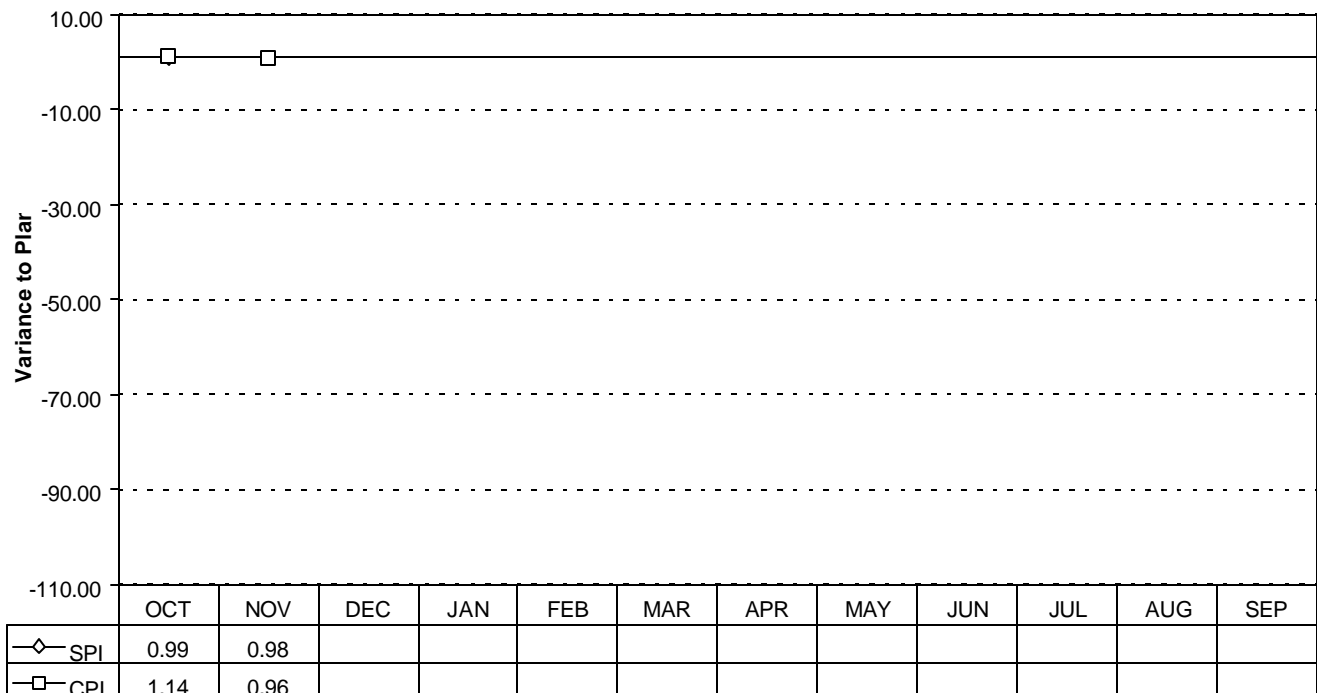
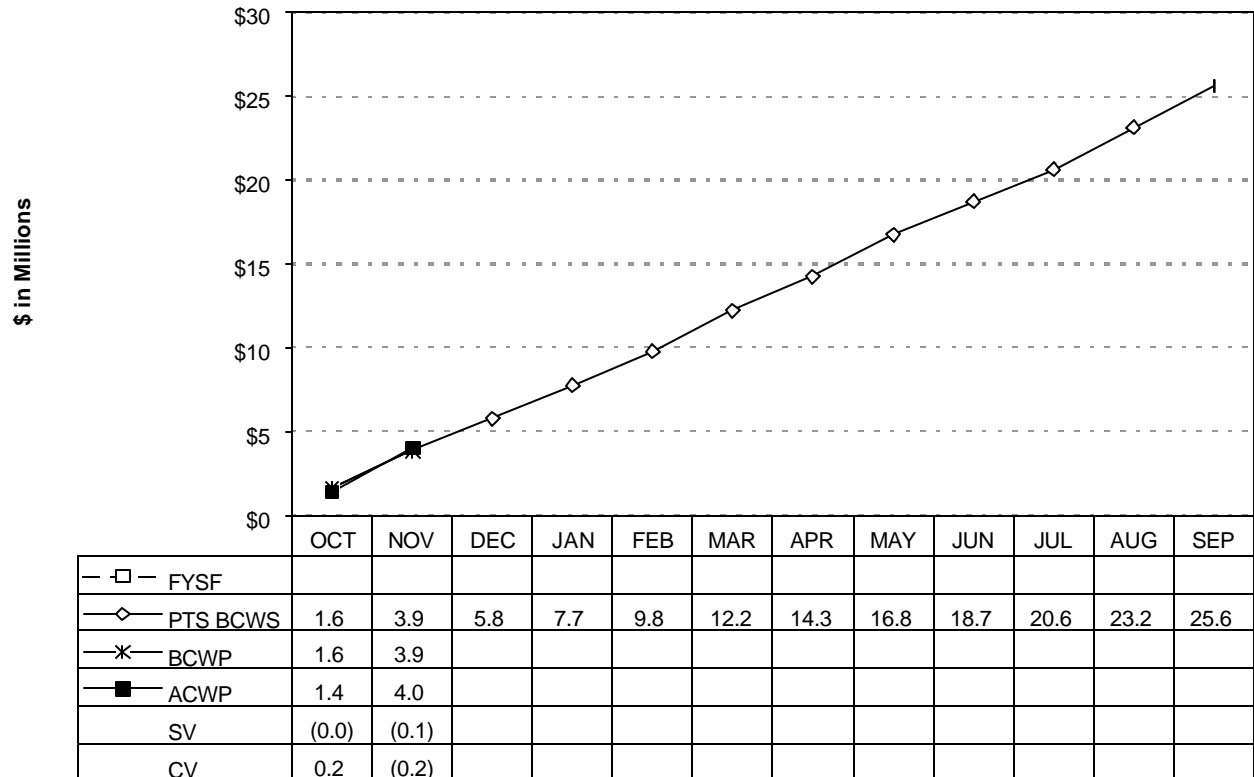
The WSCF laboratory self-identified an analytical procedure where acid digestion of certain liquid samples was not conducted per permit-mandated protocol.

Strategy/Status: The procedure was revised and available samples are being reanalyzed for certain customers. Results will be compared with undigested samples and the impact of this issue will be evaluated. Other critical procedures are also being reviewed. The laboratory is examining all permit-mandated analytical procedures to determine adherence to protocols.

ANALYTICAL SERVICES WBS 1.2.4

FY 1999 COST/SCHEDULE PERFORMANCE - ALL FUND TYPES

Cumulative to Date Status



ANALYTICAL SERVICES WBS 1.2.4

		FYTD					AUTH	PTS
		BCWS	BCWP	ACWP	SV	CV	BSLN	BCWS
PBS								
WM06	Expense	3.9	3.8	4.0	(0.0)	(0.1)	25.6	25.1
	CENRTC	0.1	0.0	0.0	(0.0)	(0.0)	0.0	0.5
	GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total	3.9	3.9	4.0	(0.1)	(0.2)	25.6	25.6

\$ In Millions

COST VARIANCE ANALYSIS: (-\$0.2M)

WBS/PBS

Title

1.2.4/WM06

Analytical Services

Description/Cause: The unfavorable cost variance of \$0.2M (1 percent) is within established threshold.

Impact: N/A

Corrective Action: None required.

SCHEDULE VARIANCE ANALYSIS: (-\$0.1)

1.2.4/WM06

Analytical Services

Description /Cause: The unfavorable schedule variance of \$0.1M (1 percent) is within established threshold.

Impact: None

Corrective Action: None required.

ANALYTICAL SERVICES – WBS 1.2.4

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
EO	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	1	0	1
Total Project	0	0	0	0	0	1	0	1

ANALYTICAL SERVICES – WBS 1.2.4

MILESTONE ACHIEVEMENT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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OVERDUE – 0

FORECAST LATE – 0